PATENT COOPERATION TREATY

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INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER ACTION as well	see Form PCT/ISA/220 I as, where applicable, item 5 below.				
REG/G20580WO	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)				
International application No.	international liling date (day/monthlyear)	(Earliest) Fliority Date (day/flioritivyear)				
PCT/IB2004/001583						
Applicant						
CLINOVATION	and the second s					
This International Search Report has bee according to Article 18. A copy is being tr	n prepared by this International Searching Aut ansmitted to the International Bureau.	hority and is transmitted to the applicant				
This International Search Report consists	of a total of 06 sheets.					
· `	a copy of each prior art document cited in this	report.				
	international search was carried out on the balless otherwise indicated under this item.	sis of the international application in the				
The international this Authority (Ru	search was carried out on the basis of a transle 23.1(b)).	ation of the international application furnished to				
b. X With regard to any nucle	otide and/or amino acid sequence disclosed	in the international application, see Box No. I.				
2. X Certain claims were fou	nd unsearchable (See Box II).					
3. Unity of invention is lac	king (see Box III).					
4. With regard to the title,						
the text is approved as su	ubmitted by the applicant.					
X the text has been establis	shed by this Authority to read as follows:					
RECOMBINANT FEL D 1 AI	LLERGEN					
5. With regard to the abstract,						
l <u> </u>	ubmitted by the applicant.					
	shed, according to Rule 38.2(b), by this Author om the date of mailing of this international sear					
6. With regards to the drawings,	•					
	published with the abstract is Figure No	<u>.</u>				
as suggested by						
	is Authority, because the applicant failed to su	ggest a figure.				
as selected by th	is Authority, because this figure better charact	erizes the invention.				
b. X non of the figures is to b	e published with the abstract.	·				

International Application No PCT/IB2004/001583

PCT/IB2004/001583 A. CLASSIFICATION OF SUBJECT MATTER IPC 7 C12N15/12 C07K G01N33/567 A61K39/35 CO7K14/47 A61K38/17 According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) C12N C07K A61K Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, WPI Data, PAJ, BIOSIS, MEDLINE, EMBASE, Sequence Search C. DOCUMENTS CONSIDERED TO BE RELEVANT Relevant to claim No. Category ° Citation of document, with indication, where appropriate, of the relevant passages 1,2,4-6,X WO 00/20032 A (DARTMOUTH COLLEGE; MEDAREX INC (US)) 13 April 2000 (2000-04-13) 8-10. 13 - 21*whole document, in particular: paragraph bridging pages 1 and 2, example 1 and claims * -/--Further documents are listed in the continuation of box C. Patent family members are listed in annex. Special categories of cited documents: "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the "A" document defining the general state of the art which is not considered to be of particular relevance invention earlier document but published on or after the international *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to filing date involve an inventive step when the document is taken alone "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such docu-ments, such combination being obvious to a person skilled citation or other special reason (as specified) O document referring to an oral disclosure, use, exhibition or in the art. document published prior to the international filing date but later than the priority date claimed "&" document member of the same patent family Date of mailing of the international search report Date of the actual completion of the international search 04/11/2004 18 October 2004

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4

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International Application No
PCT/IB2004/001583

Category °	Citation of document, with indication, where appropriate, of the relevant passages		Relevant to claim No.
X	VAILES LISA D ET AL: "High-level expression of immunoreactive recombinant cat allergen (Fel d 1): Targeting to antigen-presenting cells." JOURNAL OF ALLERGY AND CLINICAL IMMUNOLOGY,		1,2,4-6, 8-10, 13-21
	vol. 110, no. 5, November 2002 (2002-11), pages 757-762, XP002301138 ISSN: 0091-6749 *whole document, in particular: Abstract;		
	page 757, right hand column, first full paragraph-page 758, right hand column, second full paragraph and figure 1*		1 01
Ρ,Χ	GRONLUND HANS ET AL: "Formation of disulfide bonds and homodimers of the major cat allergen Fel d 1 equivalent to the natural allergen by expression in Escherichia coli." JOURNAL OF BIOLOGICAL CHEMISTRY, vol. 278, no. 41,		1-21
	10 October 2003 (2003-10-10), pages 40144-40151, XP002301139 ISSN: 0021-9258 *WHOLE DOCUMENT*		,
A	ROGERS BRUCE L ET AL: "Recombinant Fel d I: Expression, purification, IgE binding and reaction with cat-allergic human T cells" MOLECULAR IMMUNOLOGY, vol. 30, no. 6, 1993, pages 559-568, XP0001203447 ISSN: 0161-5890 *whole document, in particular: Abstract; page 560, left hand column, second paragraph*		

4

Information on patent family members

International Application No
PCT/IB2004/001583

Patent document cited in search report		Publication date		Patent family nember(s)	Publication date
WO 0020032	A	13-04-2000	US WO	2002164342 A1 0020032 A1	07-11-2002 13-04-2000

Form PCT/ISA/210 (patent family annex) (January 2004)

International application No.

PCT/IB2004/001583

OX	No. I	Nucleotid and/or amino acid sequence(s) (Continuation of item 1.b of the first sh et)
	With reg	gard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed n, the international search was carried out on the basis of:
	a. typ	pe of material
	X	a sequence listing
		table(s) related to the sequence listing
	b. for	mat of material
	[X	
	Ľ	in computer readable form
	c. tim	ne of filing/furnishing
	X	contained in the international application as filed
	X	filed together with the international application in computer readable form
		furnished subsequently to this Authority for the purpose of search
		In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
,	Addition	al comments:
	•	

International application No. PCT/IB2004/001583

INTERNATIONAL SEARCH REPORT

Box II Observations where certain claims were found unsearchable (Continuation of item 2 first sheet)
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1. X Claims Nos.: 19 because they relate to subject matter not required to be searched by this Authority, namely: Although claim 19 is directed to a diagnostic method practised on the human/animal body, the search has been carried out and based on the alleged
effects of the compound/composition.
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows:
As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
Remark on Protest
No protest accompanied the payment of additional search fees.